

CLAIMS:

1. A plate for use in a sound attenuating building construction, first and second spaced apart flanges extending inwardly from respective opposite outer edges of said plate, said flanges being substantially flat and lying substantially in the same plane and each flange being adapted for securement in use to a respective element of said building construction, a resilient connection means extending between adjacent inner edges of said flanges, said resilient connection means consisting of a folded portion of the plate defining a single substantially "U" or "V" shape.
- 10 2. A plate as claimed in claim 1 in which each of the flanges adjacent said connection means is provided with respective upstanding location means for positioning the plate relative to the elements.
- 15 3. A plate as claimed in claim 2 in which said location means includes one or more projections.
4. A plate as claimed in any one of the preceding claims in which each of the flanges includes a plurality of upstanding nails or a plurality of nail holes.
- 20 5. A plate as claimed in any one of the preceding claims in the form of an elongate strip of indeterminate length.
6. A building frame including at least a pair of spaced apart frame elements required to be connected together, at least one plate having first and second spaced apart flanges, said flanges extending inwardly from respective outer edges of said plate, and said flanges being substantially flat and lying in substantially the same plane, each flange being secured to a respective said element, a resilient connection means extending between adjacent inner edges of said flanges to space apart said elements, said resilient connection means consisting of a folded portion of the plate defining a single substantially "U" or "V" shape, the arrangement being such that sound acting directly or indirectly on said elements will result in movement of said resilient connection means to provide sound attenuation characteristics for a building construction in which said frame is incorporated.
- 25 7. A building frame as claimed in claim 6 which said elements consist of spaced apart top plates, spaced apart bottom plates, and spaced apart studs..

8. A building frame as claimed in claim 6 or claim 7 in which a plurality of said plates are connected between respective pairs of said studs, pairs of said bottom plates and pairs of said top plates and wherein adjacent said plates being connected on alternate sides of said studs, bottom plates and top plates.
- 5 9. A building frame as claimed in any one of claims 6 to 8 in which the or each of the said plates is in the form of a strip of indeterminate length so as to extend along a required length of said frame elements.
- 10 10. A building frame as claimed in any one of claims 6 to 9 in the form of a prefabricated wall.
- 10 11. A building frame as claimed in claim 6 in which one of said elements is a masonry or concrete wall.
12. A building frame substantially as herein described with reference to any one of the embodiments of the invention and substantially as shown in Figures 1 and 2, Figure 3 and/or Figures 4 and 5 of the accompanying drawings.
- 15 13. A plate substantially as herein described with reference to any one of the embodiments of the present invention and substantially as shown in Figures 1 and 2 or Figure 3 of the accompanying drawings.

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